

REMARKS

The Office Action dated April 19, 2007 has been carefully considered. Claims 1-10, 12 and 13 have been amended. Claims 11 and 14-17 have been cancelled. New claims 18-22 have been added. Claims 1-10, 12, 13, and 18-22 are in this application.

The previously presented claims 1-11 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter. Claims 12 and 13 were rejected under 35 U.S.C. § 112 as being indefinite. Examiner indicated that the subject matter of claims 12 and 13 would be allowable if rejections under 35 U.S.C. § 112 were traversed through amendment.

Applicant traverses all rejections as follows.

In this response, Applicant submits there are three independent claims, namely claims 1, 10, 12 and 13.

Claims 1-9 and 20 relate to a method of transmitting digital information. Claim 1 is amended to clarify antecedent issues and includes features from allowable claim 12 as they relate to a method of transmitting data. Claims 2-9 are amended to present the preambles of the dependent claims in a more grammatically correct form and provides proper antecedent basis.

Claims 10, 18 and 19 relate to a method of extracting digital data. Claim 10 is amended to provide proper antecedent basis and includes features from allowable claim 12 as they relate to a method of extracting digital data. Claim 18 incorporates features of claim 11. Claim 19 recites that the carrier signal is modulated using YSK modulation. Claim 20 recites that the carrier signal is modulated using Yaw Shift Keying (YSK) modulation.

Claims 12 and 21 relate to another method of transmitting digital information. Claim 12 is amended to provide proper antecedent basis. Claim 21 recites that the carrier signal is modulated using YSK modulation.

Claims 13 and 22 relate to another method of transmitting digital information. Claim 13 is amended to provide proper antecedent basis. Claim 22 recites that the carrier signal is modulated using YSK modulation.

No new subject matter is provided in the amendments to the claims or the new claims. Exemplary support for the claims as presented herein is found throughout the specification in particular at paragraphs 23-29, 30 to 33 and 45 to 49 and in Figs. 4, 5, 8 and 9.

35 U.S.C. § 101

Applicant submits that claims 1-9 and 20 as presented herein meet the guidelines of 35 U.S.C. § 101. The preamble of the claims is amended to more clearly provide that that their subject matter is directed towards a method of transmitting digital information. The claims are not directed towards a data structure, *per se*.

Applicant submits that claims 10, 18 and 19 as presented herein meet the guidelines of 35 U.S.C. § 101. The preamble of the claims is amended to more clearly provide that that their subject matter is directed towards a method of extracting digital information. The claims are not directed towards a data structure, *per se*.

35 U.S.C. § 112

Claims 12 and 13 are amended to provide appropriate antecedent basis for the terms rejected by the Examiner. Additional amendments are made to clarify other possible antecedent issues with the claims.

Allowable Subject Matter

Applicant amends claims 12 and 13 to correct cited issues regarding 35 U.S.C. § 112. As such, Applicant believes that such claims and their related dependent claims are in condition for allowance.

Closing Comments

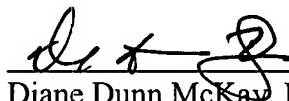
Applicant reserves the right to re-introduce subject matter relating to any withdrawn claims, with traverse, in the present application or a related application.

No new subject matter is added by any amendment.

In view of the foregoing, Applicants submit that all pending claims are in condition for allowance and request that all claims be allowed. The Examiner is invited to contact the undersigned should he believe that this would expedite prosecution of this application. It is believed that no fee is required. The Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 13-2165.

Respectfully submitted,

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